

## State Agricultural Summaries

*These summaries, issued weekly through the summer growing season, provide brief descriptions of crop and weather conditions important on a national scale. More detailed data are available in Weather and Crop Bulletins published each Monday by NASS State Statistical Offices in cooperation with the National Weather Service. The crop weather reports are also available on the Internet through the NASS Home Page on the World Wide Web at <http://www.usda.gov/nass/> or from JAWF at <http://www.usda.gov/oce/waob/jawf>.*

**ALABAMA:** Days suitable for fieldwork 6.9. Topsoil 47% very short, 42% short, 11% adequate. Corn 91% silked, 91% 1999, 93% 5 yr avg. Corn 48% dough, 55% 1999. Corn 28% dented, 34% 1999, 43% 5 yr avg. Corn 13% mature, 10% 1999, 14% 5 yr avg. Corn 33% very poor, 20% poor, 25% fair, 21% good, 1% excellent. Soybeans blooming 23%, 21% 1999, 23% 5 yr avg.; 6% setting pods, 4% 1999, 6% 5 yr avg.; 4% very poor, 17% poor, 48% fair, 30% good, 1% excellent. Pasture feed 27% very poor, 29% poor, 33% fair, 11% good. Livestock 5% very poor, 13% poor, 38% fair, 41% good, 3% excellent. Hay fields, pastures are burned badly. Hay being distributed to farmers by State Department of Agriculture, State National Guard, Cooperative Extension System. Livestock water supply getting shorter. Rainfall is desperately needed.

**ALASKA:** Days suitable for fieldwork 4.0. Topsoil 30% short, 70% adequate. Subsoil moisture supplies, 35% short, 65% adequate. Cloudy, damp conditions over much of the state continued to hamper producers in harvesting their hay crop. Daytime high temperatures were mostly in the sixties, with lows mostly in the fifties. Barley 35% in dough, 29% 1999, 20% avg.; 40% fair, 50% good, 10% excellent. Oats 60% headed, 71% 1999, 68% avg.; 35% fair, 55% good, 10% excellent. Average height of small grains, 19". Potato 25% fair, 45% good, 30% excellent. Average height of potato crop, 12". Some early planted fields are starting to bloom. Commercial vegetable 10% fair, 80% good, 10% excellent. Hay 45% harvest, 58% 1999, 59% avg.; 10% poor, 35% fair, 50% good, 5% excellent. Some fields now being harvested as silage. Crop growth 85% moderate, 15% rapid. Major farming activities for the week included: Cutting, harvesting hay fields, harvesting vegetables, hilling potatoes, weed control, machinery, fence repair.

**ARIZONA:** Area recorded average temperatures with modest precipitation during the week of July 16. Weather conditions had a minimal impact on crop production due to irrigation. Ranges, pastures remain in poor to fair condition with ranchers reporting substantial precipitation needed to improve conditions.

**ARKANSAS:** Days suitable for fieldwork: 7.0. Soil moisture 14% very short, 39% short, 46% adequate, 1% surplus. Rice 12% headed, 5% 1999, 10% 5 yr. avg.; 1% very poor, 5% poor, 19% fair, 58% good, 17% excellent. Sorghum 72% headed, 54% 1999, 46% 5 yr. avg.; 16% turning color, 1% 1999, 5% 5 year avg.; 1% very poor, 5% poor, 24% fair, 61% good, 9% excellent. Cotton 100% squared, 100% 1999, 100% 5 yr avg.; 61% setting bolls, 59% 1999, 54% 5 year avg; 1% very poor, 8% poor, 33% fair, 46% good, 12% excellent. Soybean 100% planted, 100% 1999, 99% 5 yr avg.; 97% emerged, 99% 1999, 97% 5 yr avg.; 23% bloomed, 32%, 1999, 24% 5 yr avg. 8% setting pods, 8% 1999, 7% 5 yr avg.; 3% very poor, 13% poor 32% fair, 40% good, 12% excellent. Corn 98% silked; 21% dough; 1% very poor, 1% poor, 12% fair, 52% good, 34% excellent.; wheat 100% harvest, 99% 1999, 5 yr avg. Alfalfa Hay 1% very poor, 3% poor, 19% fair, 65% good, 12% excellent; Other Hay 1% very poor, 4% poor, 24% fair, 57% good, 14% excellent. Pasture, Range feeds 2% very poor, 3% poor, 26% fair, 58% good, 11% excellent. Row crop cultivation continued. Farmers were irrigating corn, cotton, rice, soybean fields. Soybeans, rice were still being sprayed with herbicides to control weeds. Some cotton fields continued to be sprayed for spider mites, aphids, boll weevils. Fungicides were applied to rice fields for disease control. Armyworm, thrips were being treated in soybean fields. Many rice farmers were applying mid-season Nitrogen to their fields. Other activities included: Fertilizing, applying weed control to pastures, as well as, cutting, baling hay. Blueberry harvest was near completion while watermelon, peach harvests continued. Spotted wilt virus continued to surface in tomato crop. Livestock were in good condition. However, heat, humidity was beginning to stress livestock, poultry. Cattle were being treated for horn flies, internal parasites. Many reports are received on Friday, may not reflect conditional changes due to weekend weather.

**CALIFORNIA:** Cool weather was beginning to slow the growth, maturity of row crops. Cotton fields continued to bloom, fields were treated to control aphids, lygus, mites, worms. Laborers hoed weeds in some cotton fields. Alfalfa hay was being cut, raked, baled. Alfalfa seed fields continued to bloom. Alfalfa for hay, seed production was treated for lygus, worms, mites. Sudan hay fields were being cut. Corn for silage was still being planted. Some recently planted corn fields were emerging, older fields were harvested. Sugar beets were harvested. Certified, common wheat seed harvesting continued. The small grain harvest was nearly completed. Most dryland grain plantings were harvested, wheat

straw still being baled. Many fields were being disced or burned in preparation for planting other crops. Barley, oat was chopped or baled. Rice development was progressing; many fields were sprayed for worms, weeds. Armyworm pressure was very heavy in some rice fields. A limited number of dry bean fields were still being planted. Many bean fields were treated for armyworms, beetles, spider mites. Several early planted fields of dry beans were harvested. Cool weather last week slowed growth of fruit crops, but allowed for good color development. Growers were busy with cultural activities in vineyards, orchards. Weed control activities, fungicide applications, irrigation continued. Grape growers were treating vineyards for mildew, leafhoppers. Harvest of grapes for fresh use was completed in the Coachella Valley. Picking of grapes for fresh use was active in the San Joaquin Valley. Perlette, Flame Seedless were the primary varieties picked. Harvesting of apricots, freestone peaches, nectarines, plums was active. Bartlett pear picking was active in the Sacramento Delta region. Apples were treated for codling moth. Walnuts were treated for blight, codling moth. Almonds were treated for mites, navel orangeworm. Hull split was reported in some orchards. Picking of grapefruit was active in the San Joaquin Valley. Lemon harvest was active in southern state. The harvest of valencia oranges progressed in southern state, in the San Joaquin Valley. Strawberry picking was active on the central coast. Summer vegetable harvesting continued. Fresno area tomato fields were treated with fungicides. Aphid treatments were applied to processing tomatoes, squash in some fields of the Sacramento Valley. Tomato, bell pepper planting continued throughout the San Joaquin Valley. Freezer bean planting was complete. Weeding, insecticide applications continued in sweet potato, bell pepper fields. Eggplant growers were selectively picking large fruit to accommodate market demand. Yellow squash quality was improving as more fields were coming into production. The cantaloupe harvest increased in volume. Maturity of cantaloupe, watermelon improved, demand was still high. Honeydew, Crenshaw melons were also being harvested. Local sweet corn was moving at roadside stands. Other vegetables harvested this week were: Basil; cilantro; fresh market, processing cucumbers; green beans; garlic; mustard, collard greens; fresh, processing onions; okra; parsley; bell, sweet, chili peppers; spinach; zucchini squash; fresh market, processing, cherry tomatoes. Cooler temperatures improved both milk production, performance of beef cattle in feedlots. Poultry producers also appreciated the cooler weather. Irrigated pastures were in good condition, with reports of good weight gains for cattle on higher elevation pastures. Sheep were grazing grain stubble in central state. Bees were pollinating, alfalfa, melon, vine seed fields.

**COLORADO:** Days suitable for fieldwork 6.4. Topsoil 35% very short, 39% short, 25% adequate, 1% surplus. Subsoil moisture 41% very short, 37% short, 22% adequate, 0% surplus. High temperatures remained in the upper 80's and mid 90's during the week but the weekend brought cooler temperatures with isolated rain showers. The Front Range received most of the much needed moisture over the weekend. Most crop condition ratings continue to deteriorate due to the lack of moisture. Spring 43% barley turning color, 49% 1999, 47% avg.; 5% harvested, 4% 1999, 5% avg.; 3% very poor, 8% poor, 21% fair, 49% good, 19% excellent. Dry onions 3% very poor, 7% poor, 21% fair, 54% good, 15% excellent. Sugar beets 3% very poor, 12% poor, 17% fair, 47% good, 21% excellent. Summer potatoes 1% very poor, 3% poor, 25% fair, 45% good, 26% excellent. Fall potatoes 4% poor, 13% fair, 60% good, 23% excellent. Dry beans 41% flowered, 19% 1999, 14% avg.; 15% very poor, 10% poor, 21% fair, 41% good, 13% excellent. Spring wheat 98% headed, 81% 1999, 87% avg.; 60% turning color, 30% 1999, 31% avg.; 20% harvested, 4% 1999, 1% avg.; 6% very poor, 9% poor, 18% fair, 42% good, 25% excellent. Alfalfa 42% 2<sup>nd</sup> cutting, 35% 1999, 27% avg.

**DELAWARE:** Days suitable for fieldwork 4.5. Topsoil 9% short, 86% adequate, 5% surplus. Subsoil moisture 27% short, 65% adequate, 8% surplus. Winter wheat 93% harvested, 89% 1999, 93% avg. Field corn 42% silked, 43% 1999, 37% avg; 30% doughed, 8% in 1999, 4% avg. Sweet corn 22% harvested, 13% 1999, 15% avg. Cucumbers 39% harvested, 19% 1999, 24% avg. Soybeans 91% planted, 89% 1999, 92% avg.; 75% emerged, 74% 1999, 33% avg.; 10% bloomed, 10% 1999, 10% avg. Sorghum 6% fair, 85% good, 9% excellent; 20% headed, 6% 1999, 5% avg. Snap beans 31% harvested, 17% 1999, 16% avg. Pasture feed 6% poor, 18% fair, 68% good, 8% excellent. Corn 1% poor, 6% fair, 76% good, 17% excellent. Soybean 18% fair, 70% good, 12% excellent. Potatoes 20% harvested 25% 1999, 19% avg. Apple 16% fair, 59% good, 25% excellent. Peaches 18% fair, 56% good, 26% excellent;

15% harvested, 11% 1999, 11% avg. Hay supplies 7% short, 93% adequate. Percent of cutting hay crop harvest; clover, other hays, 2<sup>nd</sup> cutting 60% cut, 65% 1999, 75% avg.; 3<sup>rd</sup> cutting 32% cut 46% 1999, and 21% avg. Alfalfa 2<sup>nd</sup> cutting 88% cut, 84% 1999, 88% avg.; 3<sup>rd</sup> cutting 33% cut, 30% 1999, 15% avg. Tomatoes 10% harvested, 11% 1999 16% avg. Lima beans 12% harvested, 14% in 1999, 6% avg. Activities: Sprinkles Monday and Thursday, thunderstorms Friday night late into Saturday morning, then again Sunday afternoon. Over 1.5" rain over the weekend. Heavy harvesting of sweet corn for fresh market, processing, snap beans, peaches, squash.

**FLORIDA:** Topsoil, subsoil moisture supplies mostly short to adequate across State with scattered areas of very short supplies. Scattered showers, thunderstorms around State dropped varying amounts of rain during week of July 8 through July 15. Rainfall at major stations ranged from trace at Pensacola to nearly four inches at Tampa. Dry conditions continued across most of northern Peninsula, western Panhandle. Temperatures averaged normal, above at all major stations. Daytime highs were in 90s with Pensacola, Tallahassee reaching 102. Nighttime lows were mostly in lower 70s with Daytona Beach, Jacksonville lows in upper 60s. Scattered rains, showers improved moisture supplies in some areas, while other areas remained dry. Some producers making their 1st cutting of hay. Growers continue to harvest tobacco with some areas reporting late harvesting. Markets set to open on August 1. Most cotton in fair to good condition. Sugarcane, soybeans in mostly good condition. Peanut 2% very poor, 4% poor, 84% fair, 8% good. Growers report 65% of peanuts pegged. Okra harvesting continues in Dade county. Normal summer weather is the rule citrus area, rain, then dry each week, abundant new growth, new crop fruit making good progress, some late bloom continues. Valencia harvest about over for year, very few grapefruit remain to be picked, major juice plants closed. Caretakers cutting cover crops, spraying, fertilizing hedging, topping, and burning grove debris. Pasture feed 10% poor, 70% fair, 20% good, Cattle 10% poor, 75% fair, 15% good. Pasture improved somewhat from previous week. Panhandle: pasture feed improved slightly some counties, declined in others, most remain in poor condition. Lightning started numerous fires in drought stricken areas. Stock ponds still dry. Central area: pastures greened up following rain, but no significant grass growth yet. Some hay cutting started. Statewide, cattle condition mostly fair.

**GEORGIA:** Days suitable for field work 5.8. Soil moisture 26% very short, 41% short, 31% adequate, 2% surplus. Corn 62% dent; 64% 1999, 60% avg.; 18% mature, 18% 1999, 17% avg. Hay 25% very poor, 29% poor, 31% fair, 14% good, 1% excellent. Peanuts 94% blooming, 96% 1999, 96% avg. Sorghum 20% very poor, 28% poor, 34% fair, 17% good, 1% excellent; 94% planted, 99% 1999, 97% avg. Soybeans 98% planted, 99% 1999, 99% avg.; 96% emerged, 98% 1999, NA% avg.; 13% setting pods, 13% 1999, 9% avg. Tobacco 5% very poor, 15% poor, 39% fair, 36% good, 5% excellent; 23% harvested, 25% 1999, 33% avg. Watermelons 87% harvested, 83% 1999, 82% avg. Apples 6% poor, 39% fair, 46% good, 9% excellent; 3% harvested, 0% 1999, 0% avg. Peaches 83% harvested, 67% 1999, 80% avg. Pecans 10% very poor, 22% poor, 45% fair, 22% good, 1% excellent. Isolated thundershowers brought much needed relief to some areas, but the State remained hot, dry. Benefits from the much needed showers were limited due to rapid evaporation from the high temperatures. Farmers continued to irrigate. Pond, river levels declined. Crops were stressed by the high temperatures. Growers were applying insecticide, fungicide, herbicides. Cotton farmers were applying fertilizer. Tobacco harvesting progressed. Apples were in fair to good condition. Spotty showers improved some pastures, hay fields. Farmers cut hay where possible. Cattlemen continued to feed hay. Summer forage was planted. Other activities included: Spraying of pecan trees for disease, insects, testing nitrate toxicity levels in forage.

**HAWAII:** Weather conditions were variable for agriculture during week. High clouds obscured sunshine early in week. Light to moderate showers mixed with sunny periods remainder of week Pasture feeds variable, continue to improve in areas where showers occur. Banana, papaya harvesting steady. Most vegetables in fair to good condition.

**IDAHO:** Days suitable for field work 6.8. Topsoil 22% very short, 32% short, 46% adequate. Above normal temperatures across much of the state, combined with little to no precipitation made for perfect haying conditions. Producers are wrapping up the 1<sup>st</sup> cutting of alfalfa hay, while the 2<sup>nd</sup> cutting is nearly half harvested. Harvest of early winter wheat has begun in Southwestern, Eastern areas. Irrigation supply 19% excellent, 37% good, 27% fair, 12% poor, 5% very poor. Oats 75% headed, 77% 1999. Cherries 99% harvested, 73% 1999, 84% avg. Potatoes 12" high 93%, 85% 1999, 84% avg.; closing 68" middles, 50% 1999, 55% avg. Mint 15% harvested, 3% 1999, 4% avg. Peaches 1% harvested, 1% 1999, 2% avg. Dry Peas 4% harvested, 1% avg. Alfalfa hay 1<sup>st</sup> 99% cutting harvested, 96% 1999, 95% avg.; 2<sup>nd</sup> cutting harvested 43%, 27% 1999, 22% avg. Winter wheat 1% harvested, 1% 1999, 0% avg.; turning

64% color. Spring wheat 88% headed, 71% 1999, 78% avg.; 98% booted; turning 34% color. Spring barley 90% headed, 75% 1999, 75% avg.; 97% booted; turning 34% color. Activities: Harvesting, irrigating, spraying weeds, monitoring for disease, pests.

**ILLINOIS:** Days suitable for fieldwork 3.6. Topsoil 1% short, 66% adequate, 33% surplus. Oats 98% filled, 99% 1999, 92% avg.; 90% turning yellow, 93% 1999, 71% avg.; 45% ripe, 52% 1999, 26% avg.; 20% harvested, 32% 1999, 9% avg. Alfalfa 70% 2nd cut, 79% 1999, 58% avg.; 11% 3rd cut, 8% 1999, 4% avg.; 1% poor, 11% fair, 64% good, 24% excellent. Red clover 91% cut, 93% 1999, 93% avg. The rains continued to fall across state last week making fieldwork a real challenge in most areas. Topsoil moisture levels continue to hold at higher levels since the end of the drought. Many bottoms that are unprotected by levees have been lost with no chance of replanting, soybean fields in many areas of the state show numerous areas that are yellowing due to standing water. Some 2nd cuttings of hay have been lost with others taking up to 5 days to dry enough to bale. The good news is pasture feeds have improved greatly, the corn crop has outstanding potential with all the recent rains! Farmers spent the week combining wheat, oats, baling hay, planting double crop soybeans, spraying weedy soybean fields.

**INDIANA:** Days suitable for fieldwork 5.0. Topsoil 5% short, 81% adequate, 14% surplus. Subsoil 1% very short, 13% short, 77% adequate, 9% surplus. Favorable weather to finish up harvesting of winter wheat, planting of double crop soybeans. Corn looks good in most areas of the state. Favorable conditions for critical process of corn pollination. Rain slowed field activities, some areas. Ponding remains in low lying areas of some fields. Precipitation averaged 0 to 2.68 inches. Temperatures averaged 4E below normal to 3E above normal. Weeds, yellow plants remain in portions of some soybean fields. Range, pasture 3% poor, 25% fair, 56% good, 16% excellent. Alfalfa hay 79% 2nd cutting, 88% 1999, 52% avg. Major activities: Harvesting winter wheat, planting double crop soybeans, scouting fields, spraying, cutting, baling hay, mowing roads, pastures, equipment repair, hauling manure, preparing for county fair, feeding, caring for livestock.

**IOWA:** Days suitable for field work 4.2. Topsoil 3% very short, 18% short, 66% adequate, 13% surplus. Subsoil moisture 11% very short, 27% short, 52% adequate, 10% surplus. Hot, humid weather brought good crop development across much of the state, although farmers in western 3rd of state still looking for rain. In contrast, areas of north central, northeast state saw heavy rains fall; some crops leaning or down as a result of high winds, rain. Erosion is prevalent throughout those areas. Some areas experienced flooding, making field work difficult. Corn 50% silked, 18% 1999, 12% avg. Corn 1% very poor, 4% poor, 16% fair, 48% good, 31% excellent. Soybeans 81% blooming, 58% 1999, 45% avg.; setting 21% pods, 9% 1999, 6% avg.; 1% very poor, 5% poor, 22% fair, 48% good, 24% excellent. Oats 96% turning, 96% 1999, 80% avg.; 28% harvested, 20% 1999, 11% avg.; 1% very poor, 5% poor, 24% fair, 52% good, 18% excellent. Winter wheat 88% harvested. Range, pasture feed 6% very poor, 11% poor, 30% fair, 42% good, 11% excellent. Alfalfa 2nd 74% cutting, 57% 1999, 36% avg. Clover hay 1st 99% cutting, 95% 1999, 92% avg.; 25% 2nd cutting, 21% 1999, 16% avg. Hay 1% very poor, 7% poor, 26% fair, 49% good, 17% excellent. Heat, high humidity continued to stress some of state livestock, especially in northern 3rd of state.

**KANSAS:** Days suitable for fieldwork 6.7. Topsoil 22% very short, 45% short, 32% adequate, 1% surplus. Subsoil moisture 15% very short, 40% short, 44% adequate, 1% surplus. Wheat harvest completed. Sorghum 16% headed, 2% 1999, 8% avg.; 2% very poor, 7% poor, 37% fair, 48% good, 6% excellent. Corn 81% silked, 44% 1999, 48% avg.; 15% dough, 3% 1999, 10% avg.; 2% very poor, 11% poor, 30% fair, 46% good, 11% excellent. Soybean 64% bloom, 24% 1999, 34% avg.; 18% podding, 5% 1999, 6% avg.; 5% poor, 29% fair, 58% good, 8% excellent. Sunflower 17% bloom, 8% 1999, 1% very poor, 7% poor, 35% fair, 54% good, 3% excellent. 3<sup>rd</sup> cutting alfalfa 47%, 10% 1999, 14% avg. Range, Pasture feed 7% very poor, 19% poor, 33% fair, 38% good, 3% excellent.

**KENTUCKY:** Days suitable for fieldwork 4.4. Topsoil 7% very short, 16% short, 59% adequate, 18% surplus. Subsoil moisture 8% very short, 23% short, 61% adequate, 8% surplus. Temperatures were slightly above normal throughout the State. The majority of the State was dry during the week with only a few scattered thunderstorms reported. Western regions reported increasingly dry conditions. Problems with black shank, blue mold were reported in a few areas. Burley tobacco 28% blooming or beyond, 14% topped. Dark tobacco 40% topped. Tobacco 1% very poor, 4% poor, 17% fair, 54% good, 24% excellent. Pastures 1% very poor, 7% poor, 25% fair, 53% good, 14% excellent. Hay crop 1% very poor, 6% poor, 24% fair, 55% good, 14% excellent.

**LOUISIANA:** Days suitable for fieldwork 6.7. Soil moisture 18% very short, 41% short, 41% adequate. Corn 4% very poor, 6% poor, 24% fair, 60% good, 6% excellent; 94% dough stage, 95% 1999, 93% avg.; 37% mature, 45% 1999, 31% avg.; 8% harvested, 1% 1999, 1% avg. Hay 99% 1st cutting, 99% 1999, 98% avg.; 44% final cutting, 15% 1999, 23% avg. Hay producers were busy with harvest. Peaches 81% harvested, 97% 1999, 81% avg. Rice 20% ripe, 11% 1999, 10% avg.; 3% harvested, 3% 1999, 2% avg. Rice producers were draining fields, preparing for harvest. Sugarcane 10% poor, 36% fair, 47% good, 7% excellent. Soybeans were being scouted for insects. Sugarcane producers were getting ready for planting. Sweet potatoes 100% planted, 100% 1999, 99% avg. Livestock 1% very poor, 6% poor, 33% fair, 52% good, 8% excellent. Vegetables 3% very poor, 15% poor, 49% fair, 30% good, 3% excellent.

**MARYLAND:** Days suitable for fieldwork 4.8. Topsoil 8% short, 74% adequate, 18% surplus. Subsoil moisture 5% Short 91% adequate, 4% surplus. Rye 90% harvested, 90% 1999, 76% avg. Cucumbers 45% harvested, 41% 1999, 35% avg. Lima beans 20% harvested, 7% 1999, 4% avg. Snap Beans 30% harvested 35% 1999, 33% avg. Soybeans 95% planted, 94% 1999, 93% avg.; 91% emerged, 84% 1999, 37% avg.; 20% bloomed, 15% 1999, 11% avg.; 9% setting pods, 7% 1999, 5% avg. Sorghum 2% poor, 2% fair, 70% good, 26% excellent, 12% headed, 7% 1999, 4% avg. Tobacco 3% poor, 17% fair, 55% good, 25% excellent; 46% bloomed 19% 1999, 15% avg. Field corn 51% silked, 47% 1999, 37% avg.; 5% doughed, 7% 1999, 5% avg. Sweet corn 22% harvested, 25% 1999, 20% avg. Potatoes 51% harvested, 41% 1999, 41% avg. Winter wheat 94% harvested, 94% 1999, 88% avg. Pasture 1% very poor, 2% poor, 13% fair, 65% good, 19% excellent. Corn 1% very poor, 2% poor, 7% fair, 42% good, 48% excellent. Soybean 1% very poor 2% poor, 9% fair, 55% good, 33% excellent. Apple 16% fair, 58% good, 26% excellent. Peach 14% fair, 57% good, 29% excellent; 15% harvested, 19% 1999, 13% avg. Cantaloupe 20% harvested, 21% 1999, 17% avg. Watermelons 9% harvested, 10% 1999, 8% avg. Tomatoes 13% harvested, 24% 1999, 11% avg. All hay supplies 1% very short, 2% short, 82% adequate, 15% Surplus. Percent of cutting hay crop harvest; 2<sup>nd</sup> cutting clover, other hays 53% cut, 69% 1999, 52% avg.; 3<sup>rd</sup> cutting 7% cut, 31% 1999, 15% avg.; 2<sup>nd</sup> cutting alfalfa 75% cut, 95% 1999, 80% avg 3<sup>rd</sup> cutting 17% cut, 18% 1999, 14% avg. Activities: Excessive rain has had negative effects on crop growth, condition. Ranging from 3 to 6 inches during last week.

**MICHIGAN:** Days suitable for fieldwork 6.0. Topsoil 5% very short, 12% short, 69% adequate, 14% surplus. Subsoil 3% very short, 21% short, 66% adequate, 10% surplus. All Hay 1% very poor, 6% poor, 20% fair, 47% good, 26% excellent. Oats 2% poor, 24% fair, 61% good, 13% excellent. Winter Wheat 2% poor, 12% fair, 59% good, 27% excellent. All Hay 1st cutting 90%, 99% 1999, 98% avg.; 2nd cutting 28%, 38% 1999, 30% avg. Corn Height single 43%, 1999 avg. Drybeans 5% blooming, 14% 1999, 8% avg. Oats turning 45% yellow, 70% 1999, 50% avg.; 97% headed, 96% 1999, 94% avg.; 1% harvested, 1999, 1% avg. Fair, dry weather allowed field crops to catch up from wetter than normal spring. Good weather allowed for start of wheat harvest southern state. Precipitation since April 1 remained below normal for Upper Peninsula, northern Lower Peninsula and above normal for rest of State. Rainfall amounts last week ranged from 0.01 inches West Central to 0.99 inches South Central. Growing degree days (GDD) remained above average for State, with exception of Thumb which remained slightly below average for season. Corn good overall, started to tassel but reported very dry northwest Lower Peninsula. Corn being cultivated some areas, concerns about weed control reported. Soybean fields looking better and coming along nicely. Warm to hot temperatures allowed wheat harvest to go into full force most areas. Yields excellent with some being more than 90 bushels per acre. First cutting of alfalfa nearly complete but rains slowed some of second harvest. Sugarbeet crop good condition generally. Some growers identified Cercospora Leafspot, began process of fungicide application for control. No reports of wilting of crop, which indicates adequate subsoil moisture. Cabbage harvest continued. Potatoes forming tubers. Sweet corn harvest continued on early planted fields. Cherry tomato harvest began. Market tomatoes mature green stage early fields. Pepper fruit set continued. Cantaloupe softball size Southwest. Cucumbers continued to grow well and harvest got underway. Summer squash, zucchini harvest increased as more fields came into production. Snap bean harvest continued. Earliest snap bean fields blooming Central district. Onions, carrots growing well. Pea harvest continued with good yields. Broccoli harvest underway with excellent quality. Celery continued to progress with excellent growth. Apples ranged from 1.75 to 2.0 inches diameter. Tart cherry harvest continued West Central, Northwest. Fruit quality these areas considered good to excellent. Sweet cherry harvest winding down West Central but continuing Northwest. Harvest of early peach varieties continued Southwest, started West Central. Blueberry harvest full swing. Japanese plums being harvested while European plums had started to turn color Southwest.

Pears ranged from 2.0 to 2.5 inches diameter. Fall raspberry canes had fruit turning color, while summer raspberry harvest continued. Concord grapes had reached berry touch.

**MINNESOTA:** Days suitable for fieldwork 3.9. Topsoil 0% very short, 3% short, 84% adequate, 13% surplus. Spring Wheat 30% turning ripe, 23% 1999, 21% avg. Oats 62% turning ripe, 46% 1999, 38% avg. Barley 40% turning ripe, 25% 1999, 20% avg. Corn 63 in. height, 59 in. 1999, 57 in. avg. Soybeans 18 in. height, 16 in. 1999, 17 in. avg. Rye 1% harvested, 1% 1999, 6% avg. Pasture feed 0% very poor, 2% poor, 21% fair, 62% good, 15% excellent. Dry beans 12% very poor, 9% poor, 34% fair, 37% good, 8% excellent. Potatoes 3% very poor, 7% poor, 24% fair, 40% good, 26% excellent. Sunflowers 2% very poor, 7% poor, 20% fair, 60% good, 11% excellent. Canola 1% very poor, 5% poor, 23% fair, 40% good, 31% excellent. Sugarbeets 1% very poor, 2% poor, 18% fair, 46% good, 33% excellent. Hot, humid weather generally improved crop conditions across the state. Soybeans seem to be showing signs of chlorosis in more fields across the state than usual. Root rot, from excess soil moisture, is becoming a problem in some counties including Grant, Traverse. Reports of army worms are beginning to cause damage to wheat, barley in Polk county, wheat in Grant county.

**MISSISSIPPI:** Days suitable for fieldwork 6.4. Soil moisture 45% very short, 42% short, 13% adequate. Corn 55% dent, 52% 1999, 40% avg.; 11% mature, 6% 1999 3% avg.; NA silage harvested, 4% 1999, 9% avg.; 3% very poor, 11% poor, 33% fair, 43% good, 10% excellent. Cotton 2% very poor 6% poor, 38% fair, 43% good, 11% excellent. Rice 1% very poor, 6% poor, 21% fair, 63% good, 9% excellent. Sorghum 1% very poor, 7% poor, 27% fair, 58% good, 7% excellent. Soybeans 4% very poor, 7% poor, 39% fair, 42% good, 8% excellent. Sweetpotatoes 100% planted, 97% 1999, 97% avg.; 1% very poor, 10% poor, 25% fair, 59% good, 5% excellent. Watermelons 43% harvested, 57% 1999, 46% avg.; 1% very poor, 20% poor, 35% fair, 42% good, 2% excellent. Hay (warm-season) 53% harvested, 65% 1999, 64% avg.; 9% very poor, 17% poor, 39% fair, 30% good, 5% excellent. Cattle 3% very poor, 7% poor, 42% fair, 42% good, 6% excellent. Pasture 24% very poor, 29% poor, 24% fair, 21% good, 2% excellent. Rain is needed throughout some parts of the state.

**MISSOURI:** Days suitable for fieldwork 5.9. Topsoil 8% very short, 27% short, 62% adequate, 3% surplus. Subsoil moisture remained unchanged at 16% very short, 38% short, 45% adequate, 1% surplus. The weekly precipitation averaged 0.65 inch. Hot, dry conditions continued throughout the State with harvesting wheat, cutting hay being the main farming activities. Winter Wheat harvesting was virtually complete with 99% harvested, 6 days ahead of normal, 2 days ahead of 1999. Double-crop soybeans plantings were almost complete with 96% planted, compared to 92% 1999, 90% normal. Second crop alfalfa hay were 91% cut, compared with 73% in 1999, 67% avg. Other hay cut 92% complete, 84% in 1999, 82% avg. Cotton setting bolls is 71% complete, compared to 85% 1999, 53% normal. Pasture feeds 8% very poor, 16% poor, 42% fair, 32% good, 2% excellent.

**MONTANA:** Days suitable for fieldwork 6.7. Topsoil 28% very short, 45% short, 26% adequate, 1% surplus. Subsoil moisture 40% very short, 43% short, 17% adequate, 0% surplus. Oats 94% in boot, 91% 1999, 96% avg.; 81% headed, 75% 1999, 78% avg.; 21% turning, 6% 1999, 10% avg.; 4% very poor, 9% poor, 32% fair, 47% good, 8% excellent. Corn 0% very poor, 5% poor, 45% fair, 41% good, 9% excellent. Dry beans 0% very poor, 5% poor, 39% fair, 52% good, 4% excellent. Potatoes 0% very poor, 0% poor, 13% fair, 44% good, 43% excellent. Sugarbeets 0% very poor, 11% poor, 41% fair, 30% good, 18% excellent. Barley 97% in boot, 90% 1999, 97% avg.; 22% turning, 17% 1999, 13% avg. Spring wheat 98% in boot, 91% 1999, 97% avg.; 16% turning, 7% 1999, 11% avg. Winter wheat 94% turning, 78% 1999, 63% avg.; 15% ripe, 3% 1999, 4% avg.; 9% very poor, 23% poor, 50% fair, 14% good, 4% excellent. Alfalfa hay 1st cutting 83%, 77% 1999, 74% avg. Other hay 1st cutting 59%, 55% 1999, 53% avg. Hail, high winds continue to be a problem for producers east of the Continental Divide. Storms in Blaine, Cascade, Fergus counties damaged approximately 10% of the crops in those counties, resulting in losses from 50% to 90% of normal yield. Problems with root rot in spring wheat are more severe than usual this year. The stressed condition of the crop due to drought is the most likely cause for the increase. Weather conditions in the Northeast corner of the state continue to be wet, contribute to the problem with ascochyta blight in chickpeas. At this point, growers are concerned about a shortage of the fungicide needed for spraying. If the fungus outbreak persists, it can attack the seedpod, affect whether the chickpeas can be marketed as food-grade. Reports from central, western state indicate that pasture, range feed is in short supply. Livestock water supplies are especially limited in the Central region of the state where some ranchers have been hauling water to their livestock. Ranchers in the eastern portion of the state have received more moisture, report that pasture, range feed, cattle are in good condition.

**NEBRASKA:** Days suitable for fieldwork 6.6. Topsoil, subsoil moisture supplies were rated mostly very short to short. Temperatures for the week averaged 2 to 6° above normals. Precipitation occurred across state, ranging from traces to over 3.0 inches. Corn 10% very poor, 14% poor, 25% fair, 38% good, 13% excellent; 46% silked, 17% 1999, 19% avg. Soybeans 6% very poor, 12% poor, 30% fair, 39% good, 13% excellent; 61% bloomed, 38% 1999, 29% avg.; 15% setting pods, 3% 1999, 1% avg. Sorghum 8% very poor, 14% poor, 32% fair, 37% good, 9% excellent; 14% headed, 4% 1999, 1% avg. Winter Wheat 95% harvested, 62% 1999, 45% avg. Oats 26% very poor, 23% poor, 17% fair, 22% good, 12% excellent; 59% harvested for grain, 27% 1999, 19% avg. Dry beans 6% very poor, 13% poor, 41% fair, 30% good, 10% excellent. Alfalfa 2<sup>nd</sup> cutting 81% harvested, 66% 1999, 50% avg.; 21% very poor, 18% poor, 28% fair, 30% good, 3% excellent. Wild hay 21% very poor, 30% poor, 31% fair, 16% good, 2% excellent. Pasture, range feed 32% very poor, 35% poor, 27% fair, 6% good. Some cattle moved off pastures, others receiving supplemental feed. Other producer activities included: Irrigating, harvesting native hay, livestock care.

**NEVADA:** Temperatures averaged near normal, a few thunderstorms passed across the State. Precipitation was very limited. Seasonal drying of rangelands continued, stream flows continued to fall. Pasture, range feeds declining with the dry weather. Irrigation water supplies short in some areas. Crop condition ratings remain generally good. Open weather allowed second cutting of alfalfa hay to advance rapidly. Third cutting ending south. Aphid populations high in some alfalfa fields. Timothy, grass hay harvesting progressing. Fall seeded grains headed out, turning color. Spring seeded grains also beginning to turn color. Some grain cut for hay. Lygus bugs becoming a problem in the Lovelock area. Onions, garlic in good condition. Potato plants doing. Weed, insect control underway. Some livestock movement for range management. Cattle contracts for fall delivery bringing high prices. Main farm, ranch activities: Alfalfa, other hay harvests, irrigation, pest, weed control, livestock contracting.

**NEW ENGLAND:** Days suitable for fieldwork 6.0. Topsoil 2% very short, 5% short, 71% adequate, 22% surplus. Subsoil moisture 1% very short, 3% short, 82% adequate, 14% surplus. Pasture feed 2% poor, 21% fair, 51% good, 26% excellent. Maine potatoes condition good. Rhode Island potatoes: condition good. Massachusetts potatoes 5% harvested, none 1999, none avg.; condition good to fair. Oats in Maine: condition good to excellent. Barley in Maine condition good to excellent. Silage corn 95% emerged, 100% 1999, 100% avg.; condition good. Sweet corn 95% emerged, 100% 1999, 100% avg.; 10% harvested; 10% 1999, 5% avg.; condition good to fair. Shade tobacco 5% harvested, 10% 1999, 5% avg.; condition fair to good. Broadleaf tobacco condition fair to good. First crop hay 80% harvested, 95% 1999, 85% avg.; condition good to fair. Second crop hay 20% harvested, 30% 1999, 25% avg.; condition good to excellent. Apples fruit size avg, condition good to fair. Peaches fruit size avg to above avg, condition good to fair. Pears fruit size avg, condition fair to good. Strawberries 90% harvested, 100% 1999, 95% avg.; fruit size avg to below avg, condition good to fair. Cranberries condition good to fair. Highbush blueberries 15% harvested, 10% 1999, 5% avg.; fruit size avg, condition good to excellent. Wild Blueberries in Maine: fruit size avg to above avg, condition good to excellent. Mixed weather conditions continue to hit the state.. Major farm activities included: Harvesting sweet corn, cucumbers, string beans, peas, greens, beets, shade tobacco, strawberries, blueberries, raspberries, laying irrigation, cultivating, spraying potatoes, side-dressing, harvesting hay, spraying tomatoes, eggplants, renovating strawberry beds, hoeing weeds, scouting for pests, cultivating squash, pumpkins.

**NEW JERSEY:** Days suitable for field work 5.7. Topsoil 63% short, 37% adequate. Corn 17% silked, 47% fair, 28% good, 25% excellent. Soybeans 47% blooming, 30% fair, 70% good. Hay producers took advantage of clear skies to cut, bale hay where conditions allowed. Dry weather made irrigation of vegetable crops necessary. Sweet corn harvest began in early planted fields. Early snap beans were blooming in some localities. Some fresh market tomato fields received fungicide treatments. Early variety peach harvest began in some areas.

**NEW MEXICO:** Days suitable for field work 6.3. Topsoil 20% very short, 41% short, 39% adequate. The mountains and the far northeast plains reported an active week with showers, thunderstorms nearly everyday. Other showers reached into the plains, valleys but only the northeast plains had significant rain averaging over an inch to offset periods of high evaporation demand. Temperatures fluctuated with the daily showers but in general most eastern, southern locations remained very warm with several days of 100° heat from Carlsbad, Hobbs north to Tucumcari. Harvesting, irrigating, cultivating, along with weed, insect control kept farmers busy during the week. The onion condition was fair to excellent during the week, with over a third of the crop harvested. The

corn crop was in fair to good condition, with a 40% increase in tasseling from last week. The alfalfa condition improved slightly during the week. The second cutting was 5% short of being complete, the third cutting jumped significantly with 70% complete. The cotton condition remained in mostly fair to good condition, with setting bolls at 50%. There was still some supplemental feeding of livestock, but less need for the hauling of water. Cattle, sheep conditions improved slightly from last week. Pasture, range feed 6% very poor, 34% poor, 41% fair, 18% good and 1% excellent.

**NEW YORK:** Days suitable 5.0. Soil moisture 11% short, 67% adequate, 22% surplus. Pasture feed 16% fair, 65% good, 19% excellent. Hay 26% fair, 57% good, 17% excellent. Alfalfa 1st 88% cut, 99% 1999, 96% avg. Clover-timothy 78% harvested, 90% 1999, 95% avg. Oats 12% fair, 71% good, 17% excellent. Starting to head out. Wheat 6% poor, 19% fair, 69% good, 6% excellent. Harvest started July 12<sup>th</sup>. Many disease problems. Corn 97% planting, 100% 1999, 100% avg. Crop development varies significantly from area to area, field to field. Weed control is a problem. Soybean, dry bean plantings neared completion. Stands are spotty. Lake Ontario region tree fruits in good condition. Sweet cherry harvest neared completion. Tart cherry harvest began with no major problems. Finger Lakes region grape vines, clusters growing rapidly. Some sites showing delayed drought effects. Early sweet corn looking good in Livingston, Monroe Counties. Will be ready for harvest soon. Late blight reported in tomatoes in Albany County. Cabbage 90% planting.

**NORTH CAROLINA:** Days suitable for fieldwork Statewide, 5.9. Below normal temperatures, precipitation were recorded in most areas of the state. Some much needed precipitation was received in many parts of the state this week, but little moisture was received in the Northern mountains, parts of the Northern Piedmont, the Southern Coastal plains. Soil moisture remains short to very short in most areas, for the state 24% very short, 37% short, 39% adequate. Continued progress was made harvesting cotton, peanuts, sweetpotatoes which are well above the 5 year averages. Pasture feeds articularly in the western portions of the state, continue to deteriorate. Activities for the week included: Harvesting cotton, peanuts, sweetpotatoes, soybeans, sorghum; planting small grains; tending livestock, cutting, shipping Christmas trees.

**NORTH DAKOTA:** Days suitable for fieldwork was 6. Topsoil 1% very short, 10% short, 77% adequate, 12% surplus. Subsoil moisture was 3% very short, 12% short, 74% adequate, 11% surplus. Warm weather improved crop conditions in parts of the north, east while wet weather continued to damage crops in the south, central part of the state. Crop development for durum wheat 68% heading, 27% 1999, 48% avg.; 27% milk, 7% 1999, 12% avg.; 3% turning, 1% 1999, 2% avg. Canola 15% turning, 3% 1999. Dry beans development 46% blooming, 5% 1999, 29% avg.; 12% podding, 3% 1999, 5% avg. Flaxseed 76% blooming, 49% 1999, 46% avg.; 5% turning, 1% avg. Potatoes 69% blooming, 55% 1999, 57% avg.; 58% rows filled, 45% 1999, 36% avg. Crop conditions for durum wheat was 1% very poor, 7% poor, 25% fair, 54% good, 13% excellent. Canola 2% very poor, 4% poor, 15% fair, 55% good, 24% excellent. Dry beans 13% very poor, 15% poor, 20% fair, 42% good, 10% excellent. Sugarbeets 5% very poor, 9% poor, 22% fair, 51% good, 13% excellent. Pasture, range feeds 3% very poor, 8% poor, 24% fair, 54% good, 11% excellent. Stockwater supplies 1% very short, 6% short, 86% adequate, 7% surplus. Hay 84% of normal. Alfalfa 1<sup>st</sup> and 2<sup>nd</sup> cutting 88%, 11% complete, respectively, while other hay 57% complete.

**OHIO:** Days suitable for fieldwork 5.6 days. Topsoil 1% very short, 8% short, 78% adequate, 13% surplus. Summer apples 17% harvested; 33% 1999. Alfalfa hay 2nd cutting 56%; 83% 1999; 49% avg. Alfalfa hay 3rd cutting 2%; 0% 1999; 0% avg. Corn 30% silked; 36% 1999; 13% avg. Oats 47% ripe; 73% 1999. 11% harvested; 22% 1999; 10% avg. Other hay 1st cutting 94%; 100% 1999; 99% avg.; 2nd cutting 27%; 53% 1999, 30% avg. Peaches 14% harvested; 13% 1999. Soybeans 53% blooming; 71% 1999; 38% avg. 12% setting pods; 12% 1999; 5% avg. Tobacco 2% topped; 0% 1999. Winter wheat 94% harvested; 94% 1999; 65% avg. Corn 2% very poor, 6% poor, 22% fair, 42% good, 28% excellent. Hay 3% very poor, 5% poor, 28% fair, 49% good, 15% excellent. Oats 0% very poor, 3% poor, 26% fair, 58% good, 13% excellent. Pasture 1% very poor, 4% poor, 26% fair, 52% good, 17% excellent. Soybeans 4% very poor, 11% poor, 32% fair, 40% good, 13% excellent. Winter wheat 1% very poor, 2% poor, 14% fair, 49% good, 34% excellent. Activities for the week included: Making hay, baling straw; harvesting wheat, oats; spraying weeds; applying nitrogen to corn; planting double crop soybeans; certifying crops; mowing weeds, pastures; hauling grain and manure; repairing buildings, equipment; picking fresh market vegetables; preparing for county fairs. Reported weed pressures included yellow sweet clover, smartweed, milkweed, barnyard grass, poison ivy, broadleaf, Canadian thistle, ragweed, foxtail, hemp dogbane, velvet leaf, multiflora rose, johnson grass. Reported insects were black cutworms, European corn borer in corn, bean leaf beetles, potato leaf hoppers. Reported diseases

were rust, powdery mildew, head scab, glume blotch, blight in fruit, vegetables, fungus on pumpkins, melons, leaf spot. The Northwest, North Central regions were offered some relief from wet weather last week. Producers took advantage of the nice weather to harvest wheat, bale hay, straw, continue planting crops. Growers in Huron, Ottawa, Williams, Paulding counties continued to replant soybeans, some for the third time. Reporters mentioned that many soybean acres will not be planted this year because of excess moisture. Fruit, vegetable crops were reported in mostly good condition. Growers in the Northwest were busy harvesting squash, zucchini, cabbage, pickles. Meanwhile, producers in the Southwest, South Central districts were harvesting sweet corn, tomatoes, blueberries, cabbage, beans, potatoes. A central State reporter mentioned that fruit trees, nursery crops are being defoliated by Japanese beetles. Livestock were reported in good condition throughout the state. Moderate temperatures, lush pastures have helped keep livestock stress to a minimum. Normal pressure has been caused by face flies, horse flies, mosquitoes.

**OKLAHOMA:** Days suitable for fieldwork 6.5. Topsoil 5% very short, 30% short, 62% adequate, 3% surplus. Subsoil moisture 3% very short, 19% short, 75% adequate, 3% surplus. Wheat 79% plowed, 66% last week, 57% 1999, 68% avg.; Oats 97% harvested, 89% last week, 96% 1999, 96% avg.; 69% plowed, 45% last week, 53% 1999, 59% avg. Corn 1% poor, 6% fair, 68% good, 25% excellent, 55% silking, 37% last week, 27% 1999, 48% avg.; 23% dough, 9% last week, 10% 1999, 15% avg. Sorghum 93% emerged, 90% last week, 96% 1999, 93% avg. Soybeans 2% poor, 19% fair, 65% good, 14% excellent, 92% emerged, 84% last week, 65% 1999, 86% avg.; 29% blooming, 11% last week, 14% 1999, 33% avg. Peanuts 30% setting pods, 2% last week, 15% 1999, 29% avg. Alfalfa Hay 4% poor, 21% fair, 65% good, 10% excellent, 95% 2nd cutting, 89% last week, 89% 1999, 93% avg.; 37% 3rd cutting, 20% last week, 37% 1999, 33% avg. Other Hay 1% poor, 20% fair, 63% good, 16% excellent; 87% 1st cutting, 83% last week, 82% 1999, 84% avg.; 24% 2nd cutting, 12% last week, 16% 1999, 15% avg. Watermelons 98% setting fruit, 76% last week, 77% 1999, 81% avg.; 25% harvested, 10% last week, 8% 1999, 12% avg. Livestock 1% poor, 10% fair, 69% good, 20% excellent; Cattle marketings near avg. Feeder steer prices highest of the year.

**OREGON:** Days suitable for fieldwork 7. Topsoil 8% very short, 51% short, 41% adequate. Subsoil 7% very short, 46% short, 47% adequate. Barley all headed. Barley 2% poor, 24% fair, 53% good, 21% excellent. Winter wheat 2% harvested, 5% 1999, 3% avg.; 23% fair, 60% good, 17% excellent. Range, pasture 2% poor, 45% fair, 42% good, 11% excellent. Activities: Haying continued state wide, winding down in some areas. Wheat, barley headed, harvest beginning. In Willamette Valley, fall seeded grain crops ripening fast. Grass seed swathing advancing rapidly with combining to follow soon. Field corn nearing tassel stage. First harvest of double-cut peppermint completed, nearly all tall fescue windrowed, combining started. Red clover is in full bloom, some crimson clover windrowed. Oats headed, some being made into hay. Second alfalfa cutting almost finished. In northeast state, grass seed harvest underway. In Malheur county, alfalfa seed is in pollination stage, in Klamath basin 2nd cutting of alfalfa underway. In southeastern Oregon meadow hay, second crop alfalfa harvest going smoothly, meadow hay crop 30-40% light. Nurseries, greenhouses continuing with summer maintenance, irrigation. Easter lily growers monitoring aphid infestations, preparing fields for September planting. Christmas tree growers shearing Grand First, topping Noble firs. Demand for Christmas trees high but few if any trees are available. In eastern areas of state potato growth continued. Klamath County reported potato rows 75% closed, 50% flowering, harvest in Columbia Basin underway. Salad vegetables, sweet corn available in farmers markets in north Willamette Valley. Green bean harvest starting, green pea harvest reported finished. Pumpkins, zucchini squash showed a huge growth spurt; tomatoes, carrots looked good. New potatoes ready in Lincoln County. Southwestern counties reported some corn with tassels, onion, cucumber harvest nearing. Sweet cherry harvest in Mid-Columbia continued primarily with freezer, canner fruit. Harvest started in Union county. In Willamette Valley, raspberry picking neared completion. Blueberry, Marionberry harvest continued. Some hazelnut orchards received worm sprays. In southern state, third cover spray on pear orchards began. In Coos, Curry counties, cranberry fruit set mostly good. Livestock condition remains mostly good to excellent. Some cattle in poor condition in southern Malheur county. Most animals have been moved off lower elevation ranges in Klamath county. Ranges, pastures drying out rapidly across state unless they are under irrigation. Higher elevation forest rangeland in most areas east of Cascades still has good feed.

**PENNSYLVANIA:** Days suitable for field work 5.6. Soil moisture 21% short, 69% adequate, 10% surplus. Corn 22% silk, 30% 1999, 19% avg.; 4% poor, 23% fair, 51% good, 22% excellent. Soybean 1% very poor, 2% poor, 21% fair, 70% good, 6% excellent. Oats turning 64% yellow, 66% 1999, 63% avg.; 21% ripe, 34% 1999, 22% avg.; 5% poor, 23% fair, 57% good, 15% excellent. Barley 98% ripe, 96% 1999, 96% avg.; 88%

harvested, 94% 1999, 87% avg. Wheat 90% ripe, 89% 1999, 84% avg.; 60% harvested, 63% 1999, 54% avg. Apple 1% very poor, 6% poor, 14% fair, 77% good, 2% excellent. Peach 1% fair, 97% good, 2% excellent. Alfalfa 1st cutting 97%, 100% 1999, 97% avg.; 2nd 55% cutting, 70% 1999, 54% avg. Timothy clover 1st 85% cutting, 95% 1999, 88% avg.; 2nd 9% cutting, 26% 1999, 14% avg. Quality of hay made 1% very poor, 18% poor, 30% fair, 44% good, 7% excellent. Activities include: Harvesting barley, oats, winter wheat, apples, peaches; fixing fences; machinery maintenance; spreading lime, fertilizers; repairing buildings; hauling manure; caring for livestock; baling straw; making hay, haylage; applying pesticides.

**SOUTH CAROLINA:** Days suitable for field work 6.2. Soil moisture 22% very short, 37% short, 41% adequate. Apples 4% poor, 89% fair, 7% good. Cantaloups 87% harvested, 84% 1999, 87% avg. Corn 100% silked, 99% 1999, 99% avg.; 69% doughed, 53% 1999, 67% avg.; 37% matured, 13% 1999, 23% avg.; 20% very poor, 34% poor, 26% fair, 19% good, 1% excellent. Cotton 89% squared, 80% 1999, 86% avg.; 32% bolls set, 17% 1999, 34% avg.; 3% very poor, 12% poor, 33% fair, 50% good, 2% excellent. Livestock 1% very poor, 8% poor, 35% fair, 42% good, 14% excellent. Peaches 58% harvested, 56% 1999, 55% avg.; 23% fair, 46% good, 31% excellent. Peanuts 52% pegged, 58% 1999, 49% avg.; 4% very poor, 9% poor, 58% fair, 29% good. Snap beans 85% harvested, 78% 1999, 77% avg. Sorghum 100% planted, 100% 1999, 96% avg.; 60% headed, 64% 1999, 51% avg.; 25% turned color, 27% 1999, 29% avg.; 16% very poor, 37% poor, 40% fair, 7% good. Soybeans 100% planted, 100% 1999, 99% avg.; 99% emerged, 97% 1999, 97% avg.; 23% bloomed, 12% 1999, 20% avg.; 13% pods set, 3% 1999, 7% avg.; 7% very poor, 17% poor, 25% fair, 50% good, 1% excellent. Sweetpotatoes 5% poor, 34% fair, 61% good. Tobacco 97% topped, 81% 1999, 88% avg.; 12% harvested, 10% 1999, 17% avg.; 5% poor, 23% fair, 68% good, 4% excellent. Tomatoes 88% harvested, 97% 1999, 89% avg. Watermelons 93% harvested, 77% 1999, 82% avg.

**SOUTH DAKOTA:** Days suitable for field work 5.0. Topsoil 8% very short, 23% short, 62% adequate, 7% surplus. Subsoil moisture 12% veryshort, 26% short, 58% adequate, 4% surplus. Feed supplies 3% very short, 11% short, 67% adequate, 19% surplus. Stock water supplies 5% very short, 6% short, 77% adequate, 12% surplus. Winter Rye 13% poor, 29% fair, 37% good, 21% excellent, 99% turning color, 92% 1999, 84% avg.; 52% ripe, 25% 1999, 29% avg.; 4% harvested, 1% 1999, 5% avg.; 96% turning color, 98% 1999, 90% avg.; 83% ripe, 65% 1999, 39% avg. Spring Wheat 85% turning color, 55% 1999, 39% avg.; 20% ripe, 6% 1999, 6% avg. Barley 84% turning color, 36% 1999, 39% avg.; 22% ripe, 8% 1999, 6% avg. Oats turning 81% color, 46% 1999, 39% avg.; 37% ripe, 16% 1999, 13% avg. Corn 18% tassled, 12% 1999, 9% avg. Average corn height in inches 59 in., 49 in. 1999, 44 in. avg. Corn 98% cultivated once, 96% 1999, 95% avg.; cultivated twice 72%, 69% 1999, 69% avg. Sunflower 1% poor, 19% fair, 49% good, 31% excellent, 1%, blooming 2% 1999, 7% avg. Alfalfa hay 9% poor, 24% fair, 54% good, 13% excellent, 1st cutting harvested 97%, 96% 1999, 96% avg.; 2nd cutting harvested 44%, 31% 1999, 23% avg. Other hay harvested 65%, 59% 1999, 55% avg. Range, Pasture 1% very poor, 7% poor, 28% fair, 50% good, 14% excellent. Cattle 9% fair, 66% good, 25% excellent. Sheep 4% fair, 61% good, 35% excellent. Another week of high temperatures progressed crop development. All crops are developing at an accelerated pace due to the high temperatures, but moisture levels are a concern. Rows crops are in fair to excellent condition, small grain harvest is in full swing. With only a few reports of heat stress, a minimal fly problem, livestock remain in fair to excellent condition.

**TENNESSEE:** Days suitable for fieldwork 6. Topsoil 11% very short, 35% short, 52% adequate, 2% surplus. Subsoil moisture 11% very short, 39% short, 49% adequate, 1% surplus. Tobacco 1% very poor, 8% poor, 34% fair, 48% good, 9% excellent. Pastures 3% very poor, 13% poor, 34% fair, 43% good, 7% excellent. Alfalfa 84% 2nd cutting, 70% 1999, 78% avg. Cattle 1% very poor, 3% poor, 24% fair, 58% good, 14% excellent. Despite the hottest week of the year, State's major row crops continued to be rated in mostly good condition. A few areas received scattered showers, but most farmers reported the need for additional rains to maintain good yield potential for crops, replenish pastures. Tobacco farmers continued to irrigate fields, topping, sucker control was also underway in many areas. The second cutting of alfalfa hay made excellent progress.

**TEXAS:** Hot, dry conditions prevailed across most of the state with isolated thunder showers providing limited relief in some areas. Remaining planting activity continued across the plains where most crops continued to make good progress. In some areas of the plains dryland crops began to show signs of moisture stress. High temperatures and lack of moisture across central, southern areas of the state caused rapid drying down of grain crops, slowed growth of pasture forage. Haying continued across the state but hot dry conditions slowed regrowth of harvested fields. Grasshopper and army worm problems continued. Weed

infestation was noticeable in crops, pastures across the state. Small grain harvest neared completion, with only isolated fields across the plains remaining unharvested. Harvest in these fields was delayed earlier by rain showers. Corn continued to progress well in most areas. Irrigated corn progressed well across the plains. Extreme conditions continued to dry mature corn quickly across central, southern areas, producers began to harvest in some southern areas. Corn at 83% normal compared with 89% 1999. Corn harvested published current 6%, 5% 1999, 4% avg. Cotton made good progress statewide, however plants began to show extreme moisture stress in south, central areas. Thrips, grasshoppers, army worms continued to cause damage to young plants in many locations Boll weevil, Boll worm pressure increased across the state. Cotton 72% normal compared with 68% 1999. Rice maturity remained well ahead of normal, draining of fields continued in some locations. Army worm pressure continued in isolated locations. Rice 94% compared with 97% 1999. Sorghum: Isolated planting continued across the plains, primarily behind other crops. Harvesting increased in central, southern areas as high temperatures, dry conditions accelerated drying. Weed problems increased in many locations. Sorghum 76% compared with 81% 1999. Peanuts continued to progress well statewide with reports of good pegging across the plains. Grasshoppers, disease continued to be a problem in some areas. Peanut 82% compared with 86% 1999. Soybean progression remained generally good across the state. Plants in some areas began to show stress from hot, dry conditions. Army worm problems continued in some locations. Commercial Vegetables, Fruit, Pecans. In the Rio Grande Valley, melon harvest was completed. Yields were low in several locations as a result of dry conditions. In the San Antonio-Winter Garden, land preparation continued for fall planting. In East State, harvest of peppers, squash, tomatoes, blueberries, watermelons continued while heat stress affected quality, yield in some locations. Peas progressed well across the area. Plant diseases remained a concern in many locations. Grasshopper populations continued to pose a threat while spider mite populations began to increase. In the High Plains, vegetable progression remained constant, producers continued to plant peas, watermelons. Peaches: Harvest continued across the Plains, but was mostly completed in other areas with reports of production being good in some areas, marginal in others. Pecans continued to make good progress in most areas across the state. Some nut drop occurred in the dryer areas, producers hauled water to trees in some locations. Insect pressure remained constant for some producers. Range, Livestock: Pasture recovery was slowed due to hot dry conditions across the state. In some areas extreme heat caused pastures to deteriorate. Available stock water also became a greater concern in some areas, producers began to move cattle. Drying conditions were good for haying operations, excellent tonnage was produced in most locations.

**UTAH:** Days suitable for field work 7. Topsoil 33% very short, 40% short, 27% adequate. Subsoil moisture 31% very short, 40% short, 29% adequate. Pasture, range feed 10% very poor, 32% poor, 41% fair, 17% good. Alfalfa hay 2nd cutting 55%, 29% 1999, 26% avg. Other hay cut 74%, 62% 1999, 56% avg. Corn height 46 inches, 40 inches 1999, 36 inches avg. Winter wheat 15% harvested, 13% 1999, 9% avg. Oats 80% headed, 78% 1999, 74% avg. Winter wheat 16% poor, 38% fair, 46% good. Oats 48% harvested for hay or silage, 50% 1999, 42% avg. Apricots 45% harvested, 38 avg. Tart cherries 25% picked, 3% 1999, 22% avg. Irrigation water supplies 17% very short, 37% short, 46% adequate. Stock water supplies 7% very short, 32% short, 61% adequate. Major farm, ranch activities included: Harvesting small grains, fruit, alfalfa 2<sup>nd</sup> cutting, irrigation of crops. Hot dry windy weather continues to dry out rangeland. Increased insect activity, extreme fire danger are the newest problems. Dry land grain conditions are poor due to lack of rain since planting time.

**VIRGINIA:** Days suitable for fieldwork 5.0. Topsoil 1% very short, 23% short, 65% adequate, 11% surplus. Subsoil moisture 4% very short, 21% short, 70% adequate, 5% surplus. Pastures 3% poor, 26% fair, 57% good, 14% excellent. Livestock 1% poor, 7% fair, 79% good, 13% excellent. Other Hay 4% poor, 28% fair, 52% good, 16% excellent. Alfalfa Hay 1% very poor, 1% poor, 19% fair, 54% good, 25% excellent. Corn for Grain 1% poor, 19% fair, 54% good, 26% excellent, 56% Silked, 44% 1999, 41% 5-yr avg.; 16% dough 8% 1999, 8% 5-yr avg. Soybeans 3% poor, 15% fair, 62% good, 20% excellent. Soybeans 97% planted, 86% 1999, 94% 5-yr avg. Soybeans 95% emerged, 73% 1999, NA 5-yr avg.; 8% blooming, 3% 1999, 4% 5-yr avg. Winter Wheat 93% harvested, 92% 1999, 91% 5-yr avg. Barley 96% harvested, 98% 1999, 97% 5-yr avg. Flue-cured tobacco 22% fair, 51% good, 27% excellent. Burley tobacco 1% poor, 22% fair, 51% good, 26% excellent. Dark Fire-cured tobacco 9% fair, 58% good, 33% excellent. Sun tobacco 7% fair, 93% good. Peanuts 4% fair, 70% good, 26% excellent, 41% pegged, 68% 1999, 58% 5-yr avg. Cotton 1% poor, 11% fair, 73% good, 15% excellent, 82% squaring, 88% 1999, 91% 5-yr avg.; 10% bolls, 1% 1999, 27% 5-yr avg. Summer Potatoes 2% very poor, 8% poor, 17% fair, 60% good, 13% excellent, 66% harvested, 45% 1999, 44% 5-yr avg. Apples 32% fair, 59% good, 9% excellent, 36% harvested, NA 1999, NA 5-yr avg.

Peaches 18% very poor, 1% poor, 23% fair, 49% good, 9% excellent, 21% harvested, 11% 1999, 5% 5 year avg. Temperatures across the Commonwealth were mostly below normal last week. Intermittent thundershower activity delayed wheat harvest, double cropped soybean planting, damaged some 2nd cutting hay in some areas. Light worm pressure, square damage to cotton has been reported. Other activities for the week included: Harvesting vegetables, applying growth regulator to cotton, post emergence weed control to soybeans, scouting fields.

**WASHINGTON:** Days suitable for fieldwork 7.0. Topsoil 5% very short, 32% very short, 63% adequate; Subsoil moisture 51% short, 49% adequate. Winter wheat dryland 2% poor, 13% fair, 65% good, 20% excellent; irrigated 98% good, 2% excellent, 5% harvested, 1% 1999, 2% avg. Winter wheat looked good with the harvest going on in parts of the state. Lodging associated with strawbreaker footrot appeared. Spring wheat dryland 12% poor, 41% fair, 42% good, 5% excellent; irrigated, 100% good. Headed 100%, 99% 1999, 98% avg. Barley dryland 12% poor, 43% fair, 37% good, 8% excellent; irrigated 100% good. Headed 100%, 97% 1999, 98% avg. Harvested 1%, 0% 1999, 0% avg. Spring cereal crops were progressing nicely with the barley harvest beginning in parts of the state. Stripe rust was prevalent in spring wheat. Fungicides were being applied to combat it. Potatoes 2% fair, 95% good, 3% excellent. Potatoes 7% harvested, 5% 1999, 3% avg. Alfalfa hay, 1st 100% cutting, 100% 1999, 99% avg.; 2nd 81% cutting, 91% 1999, 69% avg.; 3rd cutting 3%, 0% 1999, 0% avg. Hay, roughage, 80% adequate, 20% surplus. Range, Pasture 25% poor, 42% fair, 33% good. The potato harvest was underway. The 2nd, 3rd cutting of alfalfa was underway. Grass hay harvest continued. Timothy hay, blue grass continued to be harvested. The strawberry harvest was completed. Raspberry harvest continued. Blueberry harvest began. Sweet corn was developing rapidly. Red onions were being harvested. The mint harvest began. Early carrot harvest continued. Apricots, peaches were being harvested. Pea, lentils faced pressure from aphids, but treatments were applied.

**WEST VIRGINIA:** Days suitable for fieldwork 4.2. Topsoil 5% short, 84% adequate, 11% surplus. Hay, pasture feeds continue to improve as scattered showers moved across most areas of the State. Wheat 29% fair, 60% good, 11% excellent.; 64%, 74% 1999, 63% 5-yr avg. Hay 2% poor, 20% fair, 55% good, 23% excellent; Hay 1<sup>st</sup> cut 95%, 98% 1999, 94% 5-yr avg.; 2<sup>nd</sup> cut 29%, 24% 1999, 20% 5-yr avg. Corn 21% fair, 66% good, 13% excellent.; 18% silked, 17% 1999, 24% 5-yr avg. Soybean 10% poor, 40% fair, 48% good, 2% excellent.; 25% blooming, 26% 1999, 38% 5-yr avg.; 8% setting pods, 1% 1999, 8% 5-yr avg. Oats 2% poor, 14% fair, 65% good, 19% excellent.; 93% headed, 95% 1999, 8% harvested, 21% 1999, 26% 5-yr avg. Tobacco 1% poor, 38% fair, 61% good; 2% topped. Apple 58% fair, 35% good, 7% excellent. Peach 47% fair, 46% good, 7% excellent. Cattle 1% poor, 8% fair, 82% good, 9% excellent. Sheep 2% fair, 88% good, 10% excellent.

**WISCONSIN:** Days suitable for fieldwork 4.9. Soil moisture 0% very short, 4% short, 77% adequate, 19% surplus. Corn, beans were very green, growing fast in the heat, humidity. Northern State received heavy rains early in the week, while dry conditions existed in Central State. Wet conditions in northern and southern parts of the state have caused difficulty in hay harvest. Small grains looked good, were turning color. Second cutting of hay: 50% 2000, 61% 1999, 37% 5-year avg. Second crop hay was reported to be high in quantity but low in quality in wet areas. Leafhoppers were still a problem in some fields. Winter wheat: 0% very poor, 2% poor, 15% fair, 54% good, 29% excellent. Pasture feed 0% very poor, 4% poor, 19% fair, 59% good, 18% excellent. Apple yields may be low due to late frosts in May.

**WYOMING:** Days suitable for fieldwork 6.9. Topsoil 29% very short, 58% short, 13% adequate. Subsoil moisture 17% very short, 71% short, 12% adequate. Barley 89% headed, 76% 1999, 84% avg.; 38% turning color, 38% 1999, 41% avg.; 2% mature, 2% 1999, 3% avg. Barley 5% poor, 51% fair, 39% good, 5% excellent. Oats 87% boot, 80% 1999, 90% avg.; 67% headed, 59% 1999, 72% avg.; 16% turning color, 11% 1999, 21% avg.; 10% poor, 40% fair, 42% good, 8% excellent. Spring wheat 80% headed, 74% 1999, 79% avg.; 35% turning color, 27% 1999, 31% avg.; 26% poor, 42% fair, 27% good, 5% excellent. Winter wheat 70% mature, 69% 1999, 50% avg.; 55% harvested, 17% 1999, 7% avg.; 33% very poor, 37% poor, 20% fair, 10% good. Corn average height 47 inches, 43 inches 1999, 35 inches avg.; tasseled 16%, 12% 1999, 5% avg.; 2% poor, 18% fair, 76% good, 4% excellent. Dry beans bloom 21%, 25% 1999, 22% avg.; 19% fair, 72% good, 9% excellent. Sugarbeets 3% poor, 16% fair, 63% good, 18% excellent. Alfalfa 1st cutting 89%, 83% 1999, 81% avg.; 2nd cutting 6%, 3% 1999, 2% avg. Other hay 43% harvested, 37% 1999, 43% avg. Range, pasture feed 9% very poor, 26% poor, 51% fair, 14% good. Stock water supplies 19% very short, 31% short, 50% adequate. Livestock were in mostly good condition.